

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:28:41 ON 09 JUN 2003

=> fil .bec

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS,
ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 12:29:00 ON 09 JUN 2003
ALL COPYRIGHTS AND RESTRICTIONS APPLY. SEE HELP USAGETERMS FOR DETAILS.

11 FILES IN THE FILE LIST

=> s protease# or metalloprote?

FILE 'MEDLINE'

68186 PROTEASE#

18271 METALLOPROTE?

L1 83379 PROTEASE# OR METALLOPROTE?

FILE 'SCISEARCH'

62515 PROTEASE#

19102 METALLOPROTE?

L2 79031 PROTEASE# OR METALLOPROTE?

FILE 'LIFESCI'

23501 PROTEASE#

3573 METALLOPROTE?

L3 26338 PROTEASE# OR METALLOPROTE?

FILE 'BIOTECHDS'

15100 PROTEASE#

291 METALLOPROTE?

L4 15184 PROTEASE# OR METALLOPROTE?

FILE 'BIOSIS'

76047 PROTEASE#

20473 METALLOPROTE?

L5 94307 PROTEASE# OR METALLOPROTE?

FILE 'EMBASE'

48561 PROTEASE#

15911 METALLOPROTE?

L6 62559 PROTEASE# OR METALLOPROTE?

FILE 'HCAPLUS'

88189 PROTEASE#

18656 METALLOPROTE?

L7 104109 PROTEASE# OR METALLOPROTE?

FILE 'NTIS'

572 PROTEASE#

199 METALLOPROTE?

L8 735 PROTEASE# OR METALLOPROTE?

FILE 'ESBIOBASE'

29394 PROTEASE#

8464 METALLOPROTE?

L9 35998 PROTEASE# OR METALLOPROTE?

FILE 'BIOTECHNO'

25310 PROTEASE#

7892 METALLOPROTE?

L10 32103 PROTEASE# OR METALLOPROTE?

FILE 'WPIDS'

12445 PROTEASE#

1533 METALLOPROTE?

L11 13658 PROTEASE# OR METALLOPROTE?

TOTAL FOR ALL FILES

L12 547401 PROTEASE# OR METALLOPROTE?

=> s cobra and venom(5a)l12

FILE 'MEDLINE'

3090 COBRA

13164 VENOM

371 VENOM(5A)L1

L13 16 COBRA AND VENOM(5A)L1

FILE 'SCISEARCH'

2059 COBRA

13570 VENOM

377 VENOM(5A)L2

L14 28 COBRA AND VENOM(5A)L2

FILE 'LIFESCI'

751 COBRA

6042 VENOM

181 VENOM(5A)L3

L15 7 COBRA AND VENOM(5A)L3

FILE 'BIOTECHDS'

47 COBRA

400 VENOM

14 VENOM(5A)L4

L16 1 COBRA AND VENOM(5A)L4

FILE 'BIOSIS'

3298 COBRA

18607 VENOM

487 VENOM(5A)L5

L17 30 COBRA AND VENOM(5A)L5

FILE 'EMBASE'

2052 COBRA

16234 VENOM

350 VENOM(5A)L6

L18 14 COBRA AND VENOM(5A)L6

FILE 'HCAPLUS'

3694 COBRA

19670 VENOM

617 VENOM(5A)L7

L19 28 COBRA AND VENOM(5A)L7

FILE 'NTIS'

595 COBRA

295 VENOM

6 VENOM(5A)L8

L20 0 COBRA AND VENOM(5A)L8

FILE 'ESBIOBASE'

489 COBRA

3763 VENOM

201 VENOM(5A)L9

L21 10 COBRA AND VENOM(5A)L9

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FILE 'BIOTECHNO'
    585 COBRA
    3863 VENOM
    171 VENOM(5A) L10
L22      5 COBRA AND VENOM(5A) L10

FILE 'WPIDS'
    114 COBRA
    843 VENOM
    20 VENOM(5A) L11
L23      3 COBRA AND VENOM(5A) L11

TOTAL FOR ALL FILES
L24      142 COBRA AND VENOM(5A) L12

=> s naja and venom(5a) l12
FILE 'MEDLINE'
    1279 NAJA
    13164 VENOM
    371 VENOM(5A) L1
L25      8 NAJA AND VENOM(5A) L1

FILE 'SCISEARCH'
    1167 NAJA
    13570 VENOM
    377 VENOM(5A) L2
L26      9 NAJA AND VENOM(5A) L2

FILE 'LIFESCI'
    604 NAJA
    6042 VENOM
    181 VENOM(5A) L3
L27      4 NAJA AND VENOM(5A) L3

FILE 'BIOTECHDS'
    25 NAJA
    400 VENOM
    14 VENOM(5A) L4
L28      1 NAJA AND VENOM(5A) L4

FILE 'BIOSIS'
    2670 NAJA
    18607 VENOM
    487 VENOM(5A) L5
L29      14 NAJA AND VENOM(5A) L5

FILE 'EMBASE'
    1081 NAJA
    16234 VENOM
    350 VENOM(5A) L6
L30      7 NAJA AND VENOM(5A) L6

FILE 'HCAPLUS'
    2795 NAJA
    19670 VENOM
    617 VENOM(5A) L7
L31      26 NAJA AND VENOM(5A) L7

FILE 'NTIS'
    44 NAJA
    295 VENOM
    6 VENOM(5A) L8
L32      0 NAJA AND VENOM(5A) L8

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FILE 'ESBIOBASE'
    299 NAJA
    3763 VENOM
    201 VENOM(5A)L9
L33      7 NAJA AND VENOM(5A)L9

FILE 'BIOTECHNO'
    309 NAJA
    3863 VENOM
    171 VENOM(5A)L10
L34      5 NAJA AND VENOM(5A)L10

FILE 'WPIDS'
    33 NAJA
    843 VENOM
    20 VENOM(5A)L11
L35      2 NAJA AND VENOM(5A)L11

TOTAL FOR ALL FILES
L36      83 NAJA AND VENOM(5A) L12

=> s pgsl or p(w)selectin
FILE 'MEDLINE'
    4 PGSL
    2138212 P
    8457 SELECTIN
    3342 P(W)SELECTIN
L37      3345 PGSL OR P(W)SELECTIN

FILE 'SCISEARCH'
    6 PGSL
    973480 P
    11148 SELECTIN
    4825 P(W)SELECTIN
L38      4830 PGSL OR P(W)SELECTIN

FILE 'LIFESCI'
    2 PGSL
    184345 P
    1865 SELECTIN
    523 P(W)SELECTIN
L39      525 PGSL OR P(W)SELECTIN

FILE 'BIOTECHDS'
    1 PGSL
    26153 P
    173 SELECTIN
    57 P(W)SELECTIN
L40      57 PGSL OR P(W)SELECTIN

FILE 'BIOSIS'
    4 PGSL
    1009492 P
    9958 SELECTIN
    4089 P(W)SELECTIN
L41      4092 PGSL OR P(W)SELECTIN

FILE 'EMBASE'
    4 PGSL
    818966 P
    7629 SELECTIN
    2581 P(W)SELECTIN
L42      2584 PGSL OR P(W)SELECTIN

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FILE 'HCAPLUS'
      7 PGS
2122913 P
      7152 SELECTIN
      2716 P(W)SELECTIN
L43      2720 PGS OR P(W)SELECTIN

FILE 'NTIS'
      0 PGS
57974 P
      14 SELECTIN
      5 P(W)SELECTIN
L44      5 PGS OR P(W)SELECTIN

FILE 'ESBIOBASE'
      3 PGS
299255 P
      4491 SELECTIN
      1715 P(W)SELECTIN
L45      1717 PGS OR P(W)SELECTIN

FILE 'BIOTECHNO'
      1 PGS
175157 P
      3030 SELECTIN
      921 P(W)SELECTIN
L46      922 PGS OR P(W)SELECTIN

FILE 'WPIDS'
      2 PGS
314179 P
      421 SELECTIN
      132 P(W)SELECTIN
L47      132 PGS OR P(W)SELECTIN

TOTAL FOR ALL FILES
L48      20929 PGS OR P(W) SELECTIN

=> s 148 and 112
FILE 'MEDLINE'
L49      72 L37 AND L1

FILE 'SCISEARCH'
L50      100 L38 AND L2

FILE 'LIFESCI'
L51      11 L39 AND L3

FILE 'BIOTECHDS'
L52      6 L40 AND L4

FILE 'BIOSIS'
L53      65 L41 AND L5

FILE 'EMBASE'
L54      48 L42 AND L6

FILE 'HCAPLUS'
L55      64 L43 AND L7

FILE 'NTIS'
L56      0 L44 AND L8

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FILE 'ESBIOBASE'
L57 30 L45 AND L9

FILE 'BIOTECHNO'
L58 24 L46 AND L10

FILE 'WPIDS'
L59 14 L47 AND L11

TOTAL FOR ALL FILES
L60 434 L48 AND L12

=> s mocarhagin
FILE 'MEDLINE'
L61 18 MOCARHAGIN

FILE 'SCISEARCH'
L62 17 MOCARHAGIN

FILE 'LIFESCI'
L63 5 MOCARHAGIN

FILE 'BIOTECHDS'
L64 1 MOCARHAGIN

FILE 'BIOSIS'
L65 20 MOCARHAGIN

FILE 'EMBASE'
L66 14 MOCARHAGIN

FILE 'HCAPLUS'
L67 19 MOCARHAGIN

FILE 'NTIS'
L68 0 MOCARHAGIN

FILE 'ESBIOBASE'
L69 13 MOCARHAGIN

FILE 'BIOTECHNO'
L70 7 MOCARHAGIN

FILE 'WPIDS'
L71 2 MOCARHAGIN

TOTAL FOR ALL FILES
L72 116 MOCARHAGIN

=> s (l24 or l36 or l60 or l72) not 1999-2003/py
FILE 'MEDLINE'
2189187 1999-2003/PY
L73 48 (L13 OR L25 OR L49 OR L61) NOT 1999-2003/PY

FILE 'SCISEARCH'
4226003 1999-2003/PY
L74 47 (L14 OR L26 OR L50 OR L62) NOT 1999-2003/PY

FILE 'LIFESCI'
437415 1999-2003/PY
L75 12 (L15 OR L27 OR L51 OR L63) NOT 1999-2003/PY

FILE 'BIOTECHDS'
74685 1999-2003/PY

L76 3 (L16 OR L28 OR L52 OR L64) NOT 1999-2003/PY

FILE 'BIOSIS'

2332442 1999-2003/PY

L77 58 (L17 OR L29 OR L53 OR L65) NOT 1999-2003/PY

FILE 'EMBASE'

1919933 1999-2003/PY

L78 35 (L18 OR L30 OR L54 OR L66) NOT 1999-2003/PY

FILE 'HCAPLUS'

4098471 1999-2003/PY

L79 47 (L19 OR L31 OR L55 OR L67) NOT 1999-2003/PY

FILE 'NTIS'

76488 1999-2003/PY

L80 0 (L20 OR L32 OR L56 OR L68) NOT 1999-2003/PY

FILE 'ESBIOBASE'

1230535 1999-2003/PY

L81 18 (L21 OR L33 OR L57 OR L69) NOT 1999-2003/PY

FILE 'BIOTECHNO'

509141 1999-2003/PY

L82 18 (L22 OR L34 OR L58 OR L70) NOT 1999-2003/PY

FILE 'WPIDS'

3602893 1999-2003/PY

L83 0 (L23 OR L35 OR L59 OR L71) NOT 1999-2003/PY

TOTAL FOR ALL FILES

L84 286 (L24 OR L36 OR L60 OR L72) NOT 1999-2003/PY

=> dup rem l84

PROCESSING COMPLETED FOR L84

L85 115 DUP REM L84 (171 DUPLICATES REMOVED)

=> d tot

L85 ANSWER 1 OF 115 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI

TI Isolated **mocarhagin cobra venom**

protease, and nucleic acids encoding it;

Mozambiquan spitting **cobra venom** recombinant

metallo **protease** preparation by vector-mediated gene

transfer and expression in host cell, used for inflammatory disease

therapy

AU Boodhoo A; Seehra J S; Shaw G; Sako D

AN 1999-00528 BIOTECHDS

PI WO 9846771 22 Oct 1998

L85 ANSWER 2 OF 115 MEDLINE

TI A balance of opposing signals within the cytoplasmic tail controls the lysosomal targeting of **P-selectin**.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1998 Oct 23) 273 (43) 27896-903.

Journal code: 2985121R. ISSN: 0021-9258.

AU Blagoveshchenskaya A D; Hewitt E W; Cutler D F

AN 1998447632 MEDLINE

L85 ANSWER 3 OF 115 LIFESCI COPYRIGHT 2003 CSA

TI Modulation of Lipopolysaccharide-Induced Monocyte Activation by Heparin-Binding Protein and Fucoidan

SO Infection and Immunity, (19981200) vol. 66, no. 12, pp. 5842-5847.

ISSN: 0019-9567.

AU Heinzelmann, M.; Polk, H.C., Jr.; Miller, F.N.

AN 1999:29079 LIFESCI

L85 ANSWER 4 OF 115 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
TI Expression of hirudin fusion proteins in mammalian cells: a strategy for prevention of intravascular thrombosis; recombinant hirudin, CD4, **P-selectin** fusion protein expression in host cell, used in thrombosis gene therapy
SO Circulation; (1998) 98, 24, 2744-52
CODEN: CIRCAZ ISSN: 0009-7322
AU Riesbeck K; Chen D; Kemball-Cook G; McVey J H; George A J T; Tuddenham E G D; Dorling A; *Lechler R I
AN 1999-05489 BIOTECHDS

L85 ANSWER 5 OF 115 MEDLINE DUPLICATE 1
TI Effects of a **metalloproteinase** that truncates **P-selectin** glycoprotein ligand on neutrophil-induced cardiac dysfunction in ischemia/reperfusion.
SO JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY, (1998 Dec) 30 (12) 2561-6.
Journal code: 0262322. ISSN: 0022-2828.
AU Lefer A M; Campbell B; Shin Y K
AN 1999144339 MEDLINE

L85 ANSWER 6 OF 115 MEDLINE
TI Quinine-dependent antibodies bind a restricted set of epitopes on the glycoprotein Ib-IX complex: characterization of the epitopes.
SO BLOOD, (1998 Oct 1) 92 (7) 2366-73.
Journal code: 7603509. ISSN: 0006-4971.
AU Burgess J K; Lopez J A; Berndt M C; Dawes I; Chesterman C N; Chong B H
AN 1998421381 MEDLINE

L85 ANSWER 7 OF 115 MEDLINE
TI Effects of 0.2 ppm ozone on biomarkers of inflammation in bronchoalveolar lavage fluid and bronchial mucosa of healthy subjects.
SO EUROPEAN RESPIRATORY JOURNAL, (1998 Jun) 11 (6) 1294-300.
Journal code: 8803460. ISSN: 0903-1936.
AU Krishna M T; Madden J; Teran L M; Biscione G L; Lau L C; Withers N J; Sandstrom T; Mudway I; Kelly F J; Walls A; Frew A J; Holgate S T
AN 1998319674 MEDLINE

L85 ANSWER 8 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI Isolation and partial amino acid sequence of a novel **metalloprotease** from the **venom** of the colubrid snake *Hydrodynastes gigas* (false water **cobra**).
SO Toxicon, (Sept., 1998) Vol. 36, No. 9, pp. 1250.
Meeting Info.: 12th World Congress on Animal, Plant and Microbial Toxins Cuernavaca, Mexico, USA September 21-26, 1997
ISSN: 0041-0101.
AU Mackessy, Stephen P. (1)
AN 1998:460421 BIOSIS

L85 ANSWER 9 OF 115 MEDLINE DUPLICATE 2
TI Aprotinin reduces the expression of **p-selectin** on the surface of platelet and leukocyte-platelet conjugates.
SO ARTIFICIAL ORGANS, (1998 Dec) 22 (12) 1018-22.
Journal code: 7802778. ISSN: 0160-564X.
AU Inui K; Shimazaki Y; Watanabe T; Kuraoka S; Uesho K; Uchida T; Shiono S
AN 1999091321 MEDLINE

L85 ANSWER 10 OF 115 HCAPLUS COPYRIGHT 2003 ACS
TI The composition of **Naja naja** venom samples from three districts of West Bengal, India
SO Comparative Biochemistry and Physiology, Part A: Molecular & Integrative Physiology (1998), 119A(2), 621-627
CODEN: CBPAB5; ISSN: 0300-9629

AU Mukherjee, A. K.; Maity, C. R.
AN 1998:94023 HCAPLUS
DN 128:189384

L85 ANSWER 11 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI Evaluation of the anticoagulant effects of a highly specific snake venom metalloproteinase.
SO Blood, (Nov. 15, 1998) Vol. 92, No. 10 SUPPL. 1 PART 1-2, pp. 552A.
Meeting Info.: 40th Annual Meeting of the American Society of Hematology
Miami Beach, Florida, USA December 4-8, 1998 The American Society of Hematology
. ISSN: 0006-4971.
AU Kumar, A.; Patel, H.; Rajewski, J.; Parmar, P.; Bond, M.; Shaw, G.; Sako, D.; Keith, J. C., Jr.; Schaub, R. G.
AN 1999:120062 BIOSIS

L85 ANSWER 12 OF 115 MEDLINE DUPLICATE 3
TI Purification and characterization of kaouthiagin, a von Willebrand factor-binding and -cleaving **metalloproteinase** from Naja kaouthia **cobra venom**.
SO THROMBOSIS AND HAEMOSTASIS, (1998 Sep) 80 (3) 499-505.
Journal code: 7608063. ISSN: 0340-6245.
AU Hamako J; Matsui T; Nishida S; Nomura S; Fujimura Y; Ito M; Ozeki Y; Titani K
AN 1998430434 MEDLINE

L85 ANSWER 13 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI cDNA cloning and expression of cobrin, the C3-cleaving **metalloprotease** from **Cobra venom**.
SO Molecular Immunology, (April-May, 1998) Vol. 35, No. 6-7, pp. 408.
Meeting Info.: XVII International Complement Workshop Rhodes, Greece
October 11-16, 1998
ISSN: 0161-5890.
AU Bambai, Bijam; Teppke, Manfred; Bredehorst, Reinhard; Vogel, Carl-Wilhelm
AN 1998:521936 BIOSIS

L85 ANSWER 14 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI The molecular and cellular biology of pancreatic cancer.
SO Critical Reviews in Eukaryotic Gene Expression, (1998) Vol. 8, No. 3-4, pp. 377-393.
ISSN: 1045-4403.
AU Perugini, Richard A.; McDade, Theodore P.; Vittimberga, Frank J., Jr.; Callery, Mark P. (1)
AN 1999:17392 BIOSIS

L85 ANSWER 15 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI
TI cDNA cloning and expression of cobrin, the C3-cleaving **metalloprotease** from **cobra venom**
SO MOLECULAR IMMUNOLOGY, (APR-MAY 1998) Vol. 35, No. 6-7, Sp. iss. SI, pp. 311-311.
Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND.
ISSN: 0161-5890.
AU Bambai B (Reprint); Teppke M; Bredehorst R; Vogel C W
AN 1998:745708 SCISEARCH

L85 ANSWER 16 OF 115 MEDLINE DUPLICATE 4
TI Enhanced activation of platelets with abnormal release of RANTES in human immunodeficiency virus type 1 infection.
SO FASEB JOURNAL, (1998 Jan) 12 (1) 79-89.
Journal code: 8804484. ISSN: 0892-6638.
AU Holme P A; Muller F; Solum N O; Brosstad F; Froland S S; Aukrust P
AN 1998099250 MEDLINE

L85 ANSWER 17 OF 115 MEDLINE DUPLICATE 5
 TI The neutrophil and preeclampsia.
 SO SEMINARS IN REPRODUCTIVE ENDOCRINOLOGY, (1998) 16 (1) 57-64. Ref: 98
 Journal code: 8308354. ISSN: 0734-8630.
 AU Clark P; Boswell F; Greer I A
 AN 1998318677 MEDLINE

L85 ANSWER 18 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 TI **Mocarhagin, a cobra venom protease**
 , and therapeutic uses thereof.
 SO Official Gazette of the United States Patent and Trademark Office Patents,
 (Aug. 19, 1997) Vol. 1201, No. 3, pp. 2175.
 ISSN: 0098-1133.
 AU Berndt, M. C.; Dunlop, L.; Andrews, R.; Deluca, M.
 AN 2002:82166 BIOSIS

L85 ANSWER 19 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI
 TI Factor Xa as an interface between coagulation and inflammation - Molecular
 mimicry of factor Xa association with effector cell **protease**
 receptor-1 induces acute inflammation in vivo
 SO JOURNAL OF CLINICAL INVESTIGATION, (15 MAY 1997) Vol. 99, No. 10, pp.
 2446-2451.
 Publisher: ROCKEFELLER UNIV PRESS, 1114 FIRST AVE, 4TH FL, NEW YORK, NY
 10021.
 ISSN: 0021-9738.
 AU Cirino G; Cicala C; Bucci M; Sorrentino L; Ambrosini G; DeDominicis G;
 Altieri D C (Reprint)
 AN 97:425451 SCISEARCH

L85 ANSWER 20 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI
 TI Kaouthiagin, a **metalloproteinase** purified from **Naja**
 kaouthia **cobra venom**, specifically binds to and
 cleaves von Willebrand factor.
 SO BLOOD, (15 NOV 1997) Vol. 90, No. 10, Part 1, Supp. [1], pp. 2071-2071.
 Publisher: W B SAUNDERS CO, INDEPENDENCE SQUARE WEST CURTIS CENTER, STE
 300, PHILADELPHIA, PA 19106-3399.
 ISSN: 0006-4971.
 AU Matsui T (Reprint); Hamako J; Fujimura Y; Nishida S; Ito M; Ozeki Y;
 Titani K; Takamatsu J
 AN 97:879006 SCISEARCH

L85 ANSWER 21 OF 115 MEDLINE DUPLICATE 6
 TI A tissue plasminogen activator/**P-selectin** fusion
 protein is an effective thrombolytic agent.
 SO CIRCULATION, (1997 Feb 4) 95 (3) 715-22.
 Journal code: 0147763. ISSN: 0009-7322.
 AU Fujise K; Revell B M; Stacy L; Madison E L; Yeh E T; Willerson J T; Beck
 P J
 AN 97176623 MEDLINE

L85 ANSWER 22 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 TI Kaouthiagin, a **metalloproteinase** purified from **Naja**
 kaouthia **cobra venom**, specifically binds to and
 cleaves von Willebrand factor.
 SO Blood, (Nov. 15, 1997) Vol. 90, No. 10 SUPPL. 1 PART 1, pp. 466A.
 Meeting Info.: 39th Annual Meeting of the American Society of Hematology
 San Diego, California, USA December 5-9, 1997 The American Society of
 Hematology
 . ISSN: 0006-4971.
 AU Matsui, T.; Hamako, J.; Fujimura, Y.; Nishida, S.; Ito, M.; Ozeki, Y.;
 Titani, K.; Takamatsu, J.
 AN 1998:68380 BIOSIS

L85 ANSWER 23 OF 115 MEDLINE

TI Postangioplasty restenosis: platelet activation and the
 coagulation-fibrinolysis system as possible factors in the pathogenesis of
 restenosis.
 SO AMERICAN HEART JOURNAL, (1997 Apr) 133 (4) 387-92.
 Journal code: 0370465. ISSN: 0002-8703.
 AU Ishiwata S; Tukada T; Nakanishi S; Nishiyama S; Seki A
 AN 97240357 MEDLINE

L85 ANSWER 24 OF 115 MEDLINE DUPLICATE 7
 TI Thrombosis and atherosclerosis.
 SO CURRENT OPINION IN LIPIDOLOGY, (1997 Oct) 8 (5) 320-8. Ref: 89
 Journal code: 9010000. ISSN: 0957-9672.
 AU Holvoet P; Collen D
 AN 97476673 MEDLINE

L85 ANSWER 25 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 TI Tetanus toxin inhibits activation-dependent **P-selectin**
 surface expression in permeabilized platelets.
 SO Blood, (Nov. 15, 1997) Vol. 90, No. 10 SUPPL. 1 PART 1, pp. 282A.
 Meeting Info.: 39th Annual Meeting of the American Society of Hematology
 San Diego, California, USA December 5-9, 1997 The American Society of
 Hematology
 . ISSN: 0006-4971.
 AU Flaumenhaft, R. (1); Croce, K.; Furie, B. C.; Furie, B.
 AN 1998:67550 BIOSIS

L85 ANSWER 26 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI
 TI Endothelial cell injury in cardiovascular surgery: The systemic
 inflammatory response
 SO ANNALS OF THORACIC SURGERY, (JAN 1997) Vol. 63, No. 1, pp. 277-284.
 Publisher: ELSEVIER SCIENCE INC, 655 AVENUE OF THE AMERICAS, NEW YORK, NY
 10010.
 ISSN: 0003-4975.
 AU Boyle E M; Pohlman T H; Johnson M C; Verrier E D (Reprint)
 AN 97:71167 SCISEARCH

L85 ANSWER 27 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI
 TI The role of the endothelium in inflammation and tumor metastasis
 SO INTERNATIONAL JOURNAL OF MICROCIRCULATION-CLINICAL AND EXPERIMENTAL, (OCT
 1997) Vol. 17, No. 5, pp. 257-272.
 Publisher: KARGER, ALLSCHWILERSTRASSE 10, CH-4009 BASEL, SWITZERLAND.
 ISSN: 0167-6865.
 AU Siegel G (Reprint); Malmsten M
 AN 97:827869 SCISEARCH

L85 ANSWER 28 OF 115 LIFESCI COPYRIGHT 2003 CSA
 TI Role of macrophages in vascular tissue remodelling
 SO TRANSPLANT IMMUNOL., (19970000) vol. 5, no. 3, pp. 173-176.
 ISSN: 0966-3274.
 AU Wahl, L.M.; Shankavaram, U.; Zhang, Yahong
 AN 1998:29437 LIFESCI

L85 ANSWER 29 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 TI Preoperative platelet dysfunction increases the benefit of aprotinin in
 cardiopulmonary bypass.
 SO Annals of Thoracic Surgery, (1997) Vol. 63, No. 1, pp. 57-63.
 ISSN: 0003-4975.
 AU Ray, Michael J.; Marsh, Neville A.; Just, Sarah J. E.; Perrin, Emma J.;
 O'Brien, Mark F.; Hawson, Geoffrey A. T.
 AN 1997:106848 BIOSIS

L85 ANSWER 30 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI
 TI The systemic inflammatory response
 SO ANNALS OF THORACIC SURGERY, (OCT 1997) Vol. 64, No. 4, Supp. [S], pp.

S31-S37.

Publisher: ELSEVIER SCIENCE INC, 655 AVENUE OF THE AMERICAS, NEW YORK, NY 10010.

ISSN: 0003-4975.

AU Boyle E M; Pohlman T H; Johnson M C; Verrier E D (Reprint)
AN 97:801914 SCISEARCH

L85 ANSWER 31 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI
TI Cytokines, growth factors and renal injury: Where do we go now?
SO KIDNEY INTERNATIONAL, (DEC 1997) Supp. [63], pp. S2-S6.
Publisher: BLACKWELL SCIENCE INC, 350 MAIN ST, MALDEN, MA 02148.
ISSN: 0085-2538.
AU Johnson R J (Reprint)
AN 97:905416 SCISEARCH

L85 ANSWER 32 OF 115 MEDLINE DUPLICATE 8
TI **Mocarhagin**, a novel **cobra venom metalloproteinase**, cleaves the platelet von Willebrand factor receptor glycoprotein Ibalpha. Identification of the sulfated tyrosine/anionic sequence Tyr-276-Glu-282 of glycoprotein Ibalpha as a binding site for von Willebrand factor and alpha-thrombin.
SO BIOCHEMISTRY, (1996 Apr 16) 35 (15) 4929-38.
Journal code: 0370623. ISSN: 0006-2960.
AU Ward C M; Andrews R K; Smith A I; Berndt M C
AN 96267086 MEDLINE

L85 ANSWER 33 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI
TI GENERATION OF A NEW GAMMA-DELTA T-CELL-SPECIFIC MONOCLONAL-ANTIBODY (GD3.5) - BIOCHEMICAL COMPARISONS OF GD3.5 ANTIGEN WITH THE PREVIOUSLY DESCRIBED WORKSHOP CLUSTER-1 (WC1) FAMILY
SO JOURNAL OF IMMUNOLOGY, (15 MAY 1996) Vol. 156, No. 10, pp. 3772-3779.
ISSN: 0022-1767.
AU JONES W M; WALCHECK B; JUTILA M A (Reprint)
AN 96:355511 SCISEARCH

L85 ANSWER 34 OF 115 MEDLINE DUPLICATE 9
TI Effects of E-selectin and **P-selectin** blockade on neutrophil sequestration in tissues and neutrophil oxidative burst in burned rats.
SO CRITICAL CARE MEDICINE, (1996 Aug) 24 (8) 1366-72.
Journal code: 0355501. ISSN: 0090-3493.
AU Hansbrough J F; Wikstrom T; Braide M; Tenenhaus M; Rennekampff O H; Kiessig V; Zapata-Sirvent R; Bjursten L M
AN 96322880 MEDLINE

L85 ANSWER 35 OF 115 MEDLINE DUPLICATE 10
TI Characterization of **mocarhagin**, a **cobra venom metalloproteinase** from **Naja mocambique mocambique**, and related proteins from other Elapidae venoms.
SO TOXICON, (1996 Oct) 34 (10) 1203-6.
Journal code: 1307333. ISSN: 0041-0101.
AU Ward C M; Vinogradov D V; Andrews R K; Berndt M C
AN 97084940 MEDLINE

L85 ANSWER 36 OF 115 MEDLINE DUPLICATE 11
TI Interactions of human alpha/beta and gamma/delta T lymphocyte subsets in shear flow with E-selectin and **P-selectin**.
SO JOURNAL OF EXPERIMENTAL MEDICINE, (1996 Mar 1) 183 (3) 1193-203.
Journal code: 2985109R. ISSN: 0022-1007.
AU Diacovo T G; Roth S J; Morita C T; Rosat J P; Brenner M B; Springer T A
AN 96228340 MEDLINE

L85 ANSWER 37 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI
TI SIALYLATED, FUCOSYLATED LIGANDS FOR L-SELECTIN EXPRESSED ON LEUKOCYTES

MEDIATE TETHERING AND ROLLING ADHESIONS IN PHYSIOLOGICAL FLOW CONDITIONS
SO JOURNAL OF CELL BIOLOGY, (NOV 1996) Vol. 135, No. 3, pp. 837-848.
ISSN: 0021-9525.
AU FUHLBRIGGE R C; ALON R; PURI K D; LOWE J B; SPRINGER T A (Reprint)
AN 96:819924 SCISEARCH

L85 ANSWER 38 OF 115 MEDLINE
TI Neutrophil rolling altered by inhibition of L-selectin shedding in vitro.
SO NATURE, (1996 Apr 25) 380 (6576) 720-3.
Journal code: 0410462. ISSN: 0028-0836.
AU Walcheck B; Kahn J; Fisher J M; Wang B B; Fisk R S; Payan D G; Feehan C;
Betageri R; Darlak K; Spatola A F; Kishimoto T K
AN 96202732 MEDLINE

L85 ANSWER 39 OF 115 MEDLINE DUPLICATE 12
TI **P-selectin** glycoprotein ligand 1 is a ligand for
L-selectin on neutrophils, monocytes, and CD34+ hematopoietic progenitor
cells.
SO JOURNAL OF CELL BIOLOGY, (1996 Oct) 135 (2) 523-31..
Journal code: 0375356. ISSN: 0021-9525.
AU Spertini O; Cordey A S; Monai N; Giuffre L; Schapira M
AN 97051972 MEDLINE

L85 ANSWER 40 OF 115 MEDLINE
TI Plasma **P selectin** (GMP-140) and glycocalicin are
elevated in preeclampsia and eclampsia: their significances.
SO AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY, (1996 Jan) 174 (1 Pt 1)
272-7.
Journal code: 0370476. ISSN: 0002-9378.
AU Halim A; Kanayama N; el Maradny E; Nakashima A; Bhuiyan A B; Khatun S;
Terao T
AN 96148702 MEDLINE

L85 ANSWER 41 OF 115 MEDLINE DUPLICATE 13
TI Flow cytometric evaluation of the effect of various thrombin inhibitors on
platelet activation in whole blood.
SO THROMBOSIS RESEARCH, (1996 May 1) 82 (3) 257-63.
Journal code: 0326377. ISSN: 0049-3848.
AU Kaiser B; Koza M; Walenga J M; Fareed J
AN 96311055 MEDLINE

L85 ANSWER 42 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI
TI SUBSETS OF SIALYLATED, SULFATED MUCINS OF DIVERSE ORIGINS ARE RECOGNIZED
BY L-SELECTIN - LACK OF EVIDENCE FOR UNIQUE OLIGOSACCHARIDE SEQUENCES
MEDIATING BINDING
SO GLYCOBIOLOGY, (MAR 1996) Vol. 6, No. 2, pp. 191-208.
ISSN: 0959-6658.
AU CROTTET P; KIM Y J; VARKI A (Reprint)
AN 96:317513 SCISEARCH

L85 ANSWER 43 OF 115 MEDLINE DUPLICATE 14
TI A novel **cobra venom metalloproteinase**,
mocarhagin, cleaves a 10-amino acid peptide from the mature N
terminus of **P-selectin** glycoprotein ligand receptor,
PSGL-1, and abolishes **P-selectin** binding.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Nov 10) 270 (45) 26734-7.
Journal code: 2985121R. ISSN: 0021-9258.
AU De Luca M; Dunlop L C; Andrews R K; Flannery J V Jr; Ettling R; Cumming D
A; Veldman G M; Berndt M C
AN 96070754 MEDLINE

L85 ANSWER 44 OF 115 MEDLINE DUPLICATE 15
TI Primitive human hematopoietic progenitors adhere to **P-**
selectin (CD62P).

SO BLOOD, (1995 Jun 15) 85 (12) 3466-77.
Journal code: 7603509. ISSN: 0006-4971.
AU Zannettino A C; Berndt M C; Butcher C; Butcher E C; Vadas M A; Simmons P J
AN 95299131 MEDLINE

L85 ANSWER 45 OF 115 MEDLINE DUPLICATE 16
TI Specific sensitivity of CD43 to neutrophil elastase.
SO BLOOD, (1995 Sep 15) 86 (6) 2395-402.
Journal code: 7603509. ISSN: 0006-4971.
AU Remold-O'Donnell E; Parent D
AN 95392000 MEDLINE

L85 ANSWER 46 OF 115 HCAPLUS COPYRIGHT 2003 ACS
TI Functional analysis of **P-selectin** mAb of the selectin panel
SO Leucocyte Typing V: White Cell Differentiation Antigens, Proceedings of the International Workshop and Conference, 5th, Boston, Nov. 3-7, 1993 (1995), Meeting Date 1993, Volume 2, 1512-1514. Editor(s): Schlossman, Stuart F. Publisher: Oxford University Press, Oxford, UK.
CODEN: 63WDAC
AU De Bruijne-Admiraal, Lucia G.; Von Dem Borne, Albert E. G. Km.
AN 1997:47476 HCAPLUS
DN 126:87602

L85 ANSWER 47 OF 115 MEDLINE DUPLICATE 17
TI Isolation and properties of a blood coagulation factor X activator from the venom of king **cobra** (Ophiophagus hannah).
SO TOXICON, (1995 Oct) 33 (10) 1263-76.
Journal code: 1307333. ISSN: 0041-0101.
AU Lee W H; Zhang Y; Wang W Y; Xiong Y L; Gao R
AN 96151321 MEDLINE

L85 ANSWER 48 OF 115 MEDLINE
TI Cross-reactivity of human molecular markers for detection of prethrombotic states in various animal species.
SO BLOOD COAGULATION AND FIBRINOLYSIS, (1995 Jul) 6 (5) 446-55.
Journal code: 9102551. ISSN: 0957-5235.
AU Ravanat C; Freund M; Dol F; Cadroy Y; Roussi J; Incardona F; Maffrand J P; Boneu B; Drouet L; Legrand C; +
AN 96172773 MEDLINE

L85 ANSWER 49 OF 115 MEDLINE DUPLICATE 18
TI Influence of temperature on neutrophil trafficking during clinical cardiopulmonary bypass.
SO CIRCULATION, (1995 Nov 1) 92 (9 Suppl) II334-40.
Journal code: 0147763. ISSN: 0009-7322.
AU Menasche P; Peynet J; Haeffner-Cavaillon N; Carreno M P; de Chaumaray T; Dillisse V; Faris B; Piwnica A; Bloch G; Tedgui A
AN 96069224 MEDLINE

L85 ANSWER 50 OF 115 BIOTECHNO COPYRIGHT 2003 Elsevier Science B.V.
TI Influence of temperature on neutrophil trafficking during clinical cardiopulmonary bypass
SO Circulation, (1995), 92/9 SUPPL. (II334-II340)
CODEN: CIRCAZ ISSN: 0009-7322
AU Menasche P.; Peynet J.; Haeffner-Cavaillon N.; Carreno M.-P.; De Chaumaray T.; Dillisse V.; Faris B.; Piwnica A.; Bloch G.; Tedgui A.
AN 1995:25341231 BIOTECHNO

L85 ANSWER 51 OF 115 MEDLINE
TI Platelet-activating factor produced by endothelial cells. A molecule with autocrine and paracrine properties.
SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1995 Apr 15) 229 (2) 327-37. Ref: 115
Journal code: 0107600. ISSN: 0014-2956.

AU Bussolino F; Camussi G
AN 95262695 MEDLINE

L85 ANSWER 52 OF 115 MEDLINE DUPLICATE 19
TI Comparison of human eosinophil and neutrophil ligands for **P-selectin**: ligands for **P-selectin** differ from those for E-selectin.
SO AMERICAN JOURNAL OF RESPIRATORY CELL AND MOLECULAR BIOLOGY, (1995 Mar) 12 (3) 315-9.
Journal code: 8917225. ISSN: 1044-1549.
AU Wein M; Sterbinsky S A; Bickel C A; Schleimer R P; Bochner B S
AN 95178121 MEDLINE

L85 ANSWER 53 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI
TI A NOVEL **COBRA VENOM METALLOPROTEINASE, MOCARHAGIN**, CLEAVES A 10-AMINO-ACID PEPTIDE FROM THE MATURE N-TERMINUS OF **P-SELECTIN** GLYCOPROTEIN LIGAND-RECEPTOR, PSGL-1, AND ABOLISHES **P-SELECTIN** BINDING
SO BLOOD, (15 NOV 1995) Vol. 86, No. 10, Supp. 1, pp. 112.
ISSN: 0006-4971.
AU BERNDT M C (Reprint); DELUCA M; DUNLOP L C; ANDREWS R K; FLANNERY J V; ETTLING R; CUMMING D A; VELDMAN G M
AN 96:16491 SCISEARCH

L85 ANSWER 54 OF 115 MEDLINE DUPLICATE 20
TI Mechanisms for lipoxin A4-induced neutrophil-dependent cytotoxicity for human endothelial cells.
SO JOURNAL OF LABORATORY AND CLINICAL MEDICINE, (1995 Jul) 126 (1) 36-43.
Journal code: 0375375. ISSN: 0022-2143.
AU Bratt J; Lerner R; Ringertz B; Palmblad J
AN 95325755 MEDLINE

L85 ANSWER 55 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI A novel **cobra venom metalloproteinase, mocarhagin**, cleaves a ten amino acid peptide from the mature N-terminus of **P-selectin** glycoprotein ligand receptor, PSGL-1, and abolishes **P-selectin** binding.
SO Blood, (1995) Vol. 86, No. 10 SUPPL. 1, pp. 31A.
Meeting Info.: 37th Annual Meeting of the American Society of Hematology
Seattle, Washington, USA December 1-5, 1995
ISSN: 0006-4971.
AU Berndt, M. C. (1); De Luca, M.; Dunlop, L. C.; Andrews, R. K.; Flannery., J. V., Jr.; Ettling, R.; Cumming, D. A.; Veldman, G. M.
AN 1996:47807 BIOSIS

L85 ANSWER 56 OF 115 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
TI TPA-**P-selectin** fusion proteins in thrombolysis in vitro and in vivo;
tissue plasminogen-activator-**P-selectin** fusion protein preparation by baculo virus vector-mediated gene expression in *Spodoptera frugiperda* cell culture (conference abstract)
SO Circulation; (1995) 92, 8, Suppl., I-684
CODEN: CIRCAZ ISSN: 0009-7322
American Heart Association, 68th Scientific Sessions, Anaheim, CA, USA, 13-16 November, 1995.
AU Fujise K; Scott D; Stacy L; Willerson J T; Beck P
AN 1996-03214 BIOTECHDS

L85 ANSWER 57 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI Snake **venom** hemorrhagic and non-hemorrhagic **metalloproteinases**: Their structure and function relationships.
SO Katunuma, N. [Editor]; Suzuki, K. [Editor]; Travis, J. [Editor]; Fritz, H. [Editor]. (1994) pp. 231-252. Biological functions of proteases and inhibitors.

Publisher: Japan Scientific Societies Press 2-10 Hongo, 6-chome,
Bunkyo-ku, Tokyo, Japan.
ISBN: 3-8055-5954-2, 4-7622-7752-5.

AU Takeya, Hiroyuki; Iwanaga, Sadaaki
AN 1994:324223 BIOSIS

L85 ANSWER 58 OF 115 MEDLINE DUPLICATE 21
TI Alternatively spliced isoform of **P-selectin** is present
in vivo as a soluble molecule.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1994 Sep 23) 269 (38) 23708-15.
Journal code: 2985121R. ISSN: 0021-9258.
AU Ishiwata N; Takio K; Katayama M; Watanabe K; Titani K; Ikeda Y; Handa M
AN 94375479 MEDLINE

L85 ANSWER 59 OF 115 MEDLINE DUPLICATE 22
TI Functional properties of human factor Va lacking the Asp683-Arg709 domain
of the heavy chain.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1994 Aug 12) 269 (32) 20662-7.
Journal code: 2985121R. ISSN: 0021-9258.
AU Bakker H M; Tans G; Thomassen M C; Yukelson L Y; Ebberink R; Hemker H C;
Rosing J
AN 94327648 MEDLINE

L85 ANSWER 60 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI
TI CYTOKINE-ACTIVATED ENDOTHELIAL-CELLS INTERNALIZE E-SELECTIN INTO A
LYSOSOMAL COMPARTMENT OF VESICULOTUBULAR SHAPE - A TUBULIN-DRIVEN PROCESS
SO JOURNAL OF IMMUNOLOGY, (15 MAY 1994) Vol. 152, No. 10, pp. 5060-5069.
ISSN: 0022-1767.
AU KUIJPERS T W (Reprint); RALEIGH M; KAVANAGH T; JANSSEN H; CALAFAT J; ROOS
D; HARLAN J M
AN 94:281064 SCISEARCH

L85 ANSWER 61 OF 115 MEDLINE DUPLICATE 23
TI Characterization of a spontaneously transformed human endothelial cell
line.
SO LABORATORY INVESTIGATION, (1994 Oct) 71 (4) 497-509.
Journal code: 0376617. ISSN: 0023-6837.
AU Cockerill G W; Meyer G; Noack L; Vadas M A; Gamble J R
AN 95057011 MEDLINE

L85 ANSWER 62 OF 115 MEDLINE DUPLICATE 24
TI Human neutrophil cathepsin G is a potent platelet activator.
SO JOURNAL OF VASCULAR SURGERY, (1994 Feb) 19 (2) 306-18; discussion 318-9.
Journal code: 8407742. ISSN: 0741-5214.
AU LaRosa C A; Rohrer M J; Benoit S E; Rodino L J; Barnard M R; Michelson A D
AN 94158014 MEDLINE

L85 ANSWER 63 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISIDUPLICATE 25
TI PURIFICATION OF A NOVEL **COBRA VENOM PROTEASE**
THAT CLEAVES THE VON-WILLEBRAND-FACTOR RECEPTOR ON HUMAN PLATELETS AND THE
P-SELECTIN RECEPTOR ON NEUTROPHILS
SO JOURNAL OF CELLULAR BIOCHEMISTRY, (04 JAN 1994) Supp. 18A, pp. 294.
ISSN: 0730-2312.
AU ANDREWS R K (Reprint); WARD C M; DUNLOP L C; BERNDT M C
AN 94:96487 SCISEARCH

L85 ANSWER 64 OF 115 MEDLINE
TI Shedding of adhesion receptors from the surface of activated platelets.
SO BLOOD COAGULATION AND FIBRINOLYSIS, (1994 Apr) 5 (2) 291-304. Ref: 98
Journal code: 9102551. ISSN: 0957-5235.
AU Fox J E
AN 94331538 MEDLINE

L85 ANSWER 65 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI

TI 3-DIMENSIONAL PROTEIN MODELS - INSIGHTS INTO STRUCTURE, FUNCTION, AND MOLECULAR-INTERACTIONS
 SO BIOCONJUGATE CHEMISTRY, (MAY/JUN 1994) Vol. 5, No. 3, pp. 173-181. ISSN: 1043-1802.
 AU BAJORATH J (Reprint); ARUFFO A
 AN 94:359235 SCISEARCH

L85 ANSWER 66 OF 115 MEDLINE DUPLICATE 26
 TI Neutrophil cathepsin G modulates the platelet surface expression of the glycoprotein (GP) Ib-IX complex by proteolysis of the von Willebrand factor binding site on GPIb alpha and by a cytoskeletal-mediated redistribution of the remainder of the complex.
 SO BLOOD, (1994 Jul 1) 84 (1) 158-68.
 Journal code: 7603509. ISSN: 0006-4971.
 AU LaRosa C A; Rohrer M J; Benoit S E; Barnard M R; Michelson A D
 AN 94289696 MEDLINE

L85 ANSWER 67 OF 115 MEDLINE DUPLICATE 27
 TI Cathepsin G-dependent platelet stimulation by activated polymorphonuclear leukocytes and its inhibition by antiproteases: role of **P-selectin**-mediated cell-cell adhesion.
 SO BLOOD, (1993 Jun 1) 81 (11) 2947-57.
 Journal code: 7603509. ISSN: 0006-4971.
 AU Evangelista V; Piccardoni P; White J G; de Gaetano G; Cerletti C
 AN 93271479 MEDLINE

L85 ANSWER 68 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI
 TI KNOWLEDGE-BASED MODEL-BUILDING OF PROTEINS - CONCEPTS AND EXAMPLES
 SO PROTEIN SCIENCE, (NOV 1993) Vol. 2, No. 11, pp. 1798-1810. ISSN: 0961-8368.
 AU BAJORATH J (Reprint); STENKAMP R; ARUFFO A
 AN 93:665534 SCISEARCH

L85 ANSWER 69 OF 115 MEDLINE DUPLICATE 28
 TI Soluble **P-selectin** is present in normal circulation and its plasma level is elevated in patients with thrombotic thrombocytopenic purpura and haemolytic uraemic syndrome.
 SO BRITISH JOURNAL OF HAEMATOLOGY, (1993 Aug) 84 (4) 702-10.
 Journal code: 0372544. ISSN: 0007-1048.
 AU Katayama M; Handa M; Araki Y; Ambo H; Kawai Y; Watanabe K; Ikeda Y
 AN 94031831 MEDLINE

L85 ANSWER 70 OF 115 HCAPLUS COPYRIGHT 2003 ACS
 TI Primary structures of platelet aggregation inhibitors (disintegrins) autoproteolytically released from snake **venom** hemorrhagic **metalloproteinases** and new fluorogenic peptide substrates for these enzymes
 SO Journal of Biochemistry (Tokyo, Japan) (1993), 113(4), 473-83
 CODEN: JOBIAO; ISSN: 0021-924X
 AU Takeya, Hiroyuki; Nishida, Shinji; Nishino, Norikazu; Makinose, Yuichi; Omori-Satoh, Tamotsu; Nikai, Toshiaki; Sugihara, Hisayoshi; Iwanaga, Sadaaki
 AN 1993:644147 HCAPLUS
 DN 119:244147

L85 ANSWER 71 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 TI Leukocyte interactions with **P-selectin**.
 SO Journal of Cellular Biochemistry Supplement, (1993) Vol. 0, No. 17 PART A, pp. 326.
 Meeting Info.: Keystone Symposium on Cell Adhesion Mechanisms in Leukocyte Traffic Keystone, Colorado, USA January 24-31, 1993
 ISSN: 0733-1959.
 AU McEver, Rodger P. (1); Warren, W. K.
 AN 1993:200532 BIOSIS

L85 ANSWER 72 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 TI Expression of 72 kilodalton type IV collagenase (gelatinase A) in benign
 and malignant ovarian tumors.
 SO Laboratory Investigation, (1993) Vol. 69, No. 3, pp. 312-321.
 ISSN: 0023-6837.
 AU Autio-Harminen, Helena (1); Karttunen, Tuomo; Hurskainen, Tiina; Hoyhtya,
 Matti; Kauppila, Antti; Tryggvason, Karl
 AN 1993:525343 BIOSIS

L85 ANSWER 73 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 TI Functional analysis of **P-selectin** MABs of the selectin
 panel.
 SO Tissue Antigens, (1993) Vol. 42, No. 4, pp. 263.
 Meeting Info.: 5th International Conference on Human Leukocyte
 Differentiation Antigens Boston, Massachusetts, USA November 3-7, 1993
 ISSN: 0001-2815.
 AU De Bruijne-Admiraal, Lucia G.; Von Dem Borne, Albert E. G. K.
 AN 1994:91308 BIOSIS

L85 ANSWER 74 OF 115 MEDLINE DUPLICATE 29
 TI Platelet alpha-granules.
 SO BLOOD REVIEWS, (1993 Mar) 7 (1) 52-62. Ref: 138
 Journal code: 8708558. ISSN: 0268-960X.
 AU Harrison P; Cramer E M
 AN 93222704 MEDLINE

L85 ANSWER 75 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 TI Synthetic peptides from the lectin domains of the selectins inhibit
 leukocyte adhesion in vitro and in vivo.
 SO Abstracts of Papers American Chemical Society, (1993) Vol. 206, No. 1-2,
 pp. MEDI 257.
 Meeting Info.: 206th ACS (American Chemical Society) National Meeting
 Chicago, Illinois, USA August 22-27, 1993
 ISSN: 0065-7727.
 AU Heavner, George A.
 AN 1993:473032 BIOSIS

L85 ANSWER 76 OF 115 HCAPLUS COPYRIGHT 2003 ACS
 TI Characterization of C3o, a novel cleavage product of human complement
 component C3, and of the complement activation **protease** from
Naja naja venom used to generate C3o
 SO (1992) 142 pp. Avail.: Univ. Microfilms Int., Order No. DA9236644
 From: Diss. Abstr. Int. B 1993, 53(7), 3392
 AU O'Keefe, Mary Clare
 AN 1994:104521 HCAPLUS
 DN 120:104521

L85 ANSWER 77 OF 115 MEDLINE DUPLICATE 30
 TI **P-selectin** and E-selectin. Distinct but overlapping
 leukocyte ligand specificities.
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 Jun 5) 267 (16) 11104-10.
 Journal code: 2985121R. ISSN: 0021-9258.
 AU Larsen G R; Sako D; Ahern T J; Shaffer M; Erban J; Sajer S A; Gibson R M;
 Wagner D D; Furie B C; Furie B
 AN 92283809 MEDLINE

L85 ANSWER 78 OF 115 HCAPLUS COPYRIGHT 2003 ACS
 TI The edema-inducing activity of king **cobra** (*Ophiophagus hannah*)
venom proteases
 SO Recent Adv. Toxinol. Res., [World Conf. Anim., Plant Microb. Toxin], 10th
 (1992), Volume 1, 647-56. Editor(s): Gopalakrishnakone, P.; Tan, Choon
 Kim. Publisher: Natl. Univ. Singapore, Venom Toxin Res. Group, Singapore,
 Singapore.

CODEN: 58UAAH

AU Tan, Nget Hong; Yong, Wai Ying
AN 1993:162890 HCAPLUS
DN 118:162890

L85 ANSWER 79 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI THE OEDEMA-INDUCING ACTIVITY OF KING **COBRA** OPHIOPHAGUS-HANNAH
VENOM PROTEASES.
SO TENTH WORLD CONGRESS ON ANIMAL, PLANT AND MICROBIAL TOXINS, SINGAPORE,
SINGAPORE, NOVEMBER 3-8, 1991. TOXICON. (1992) 30 (5-6), 555.
CODEN: TOXIA6. ISSN: 0041-0101.
AU TAN N-H; YOUNG W-Y
AN 1992:490536 BIOSIS

L85 ANSWER 80 OF 115 MEDLINE DUPLICATE 31
TI Identification of a specific glycoprotein ligand for **P-selectin** (CD62) on myeloid cells.
SO JOURNAL OF CELL BIOLOGY, (1992 Jul) 118 (2) 445-56.
Journal code: 0375356. ISSN: 0021-9525.
AU Moore K L; Stults N L; Diaz S; Smith D F; Cummings R D; Varki A; McEver R
P
AN 92332600 MEDLINE

L85 ANSWER 81 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI Binding of calcium to the lectin domain of **P-selectin**
enhances its resistance to proteolytic degradation.
SO Circulation, (1992) Vol. 86, No. 4 SUPPL. 1, pp. I407.
Meeting Info.: 65th Scientific Sessions of the American Heart Association
New Orleans, Louisiana, USA November 16-19, 1992
ISSN: 0009-7322.
AU Geng, Jian-Guo; McEver, Roger P.
AN 1993:267114 BIOSIS

L85 ANSWER 82 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI
TI STRUCTURAL DOMAINS IN **VENOM** PROTEINS - EVIDENCE THAT
METALLOPROTEINASES AND NONENZYMATIC PLATELET-AGGREGATION
INHIBITORS (DISINTEGRINS) FROM SNAKE-VENOMS ARE DERIVED BY PROTEOLYSIS
FROM A COMMON PRECURSOR
SO TOXICON, (MAR 1992) Vol. 30, No. 3, pp. 265-293.
ISSN: 0041-0101.
AU KINI R M (Reprint); EVANS H J
AN 92:291318 SCISEARCH

L85 ANSWER 83 OF 115 MEDLINE DUPLICATE 32
TI **P-selectin** mediates Ca(2+)-dependent adhesion of
activated platelets to many different types of leukocytes: detection by
flow cytometry.
SO BLOOD, (1992 Jul 1) 80 (1) 134-42.
Journal code: 7603509. ISSN: 0006-4971.
AU de Bruijne-Admiraal L G; Modderman P W; Von dem Borne A E; Sonnenberg A
AN 92305322 MEDLINE

L85 ANSWER 84 OF 115 MEDLINE DUPLICATE 33
TI A monoclonal antibody-based enzyme immunoassay for human GMP-140/**P-selectin**.
SO JOURNAL OF IMMUNOLOGICAL METHODS, (1992 Aug 30) 153 (1-2) 41-8.
Journal code: 1305440. ISSN: 0022-1759.
AU Katayama M; Handa M; Ambo H; Araki Y; Hirai S; Kato I; Kawai Y; Watanabe
K; Ikeda Y
AN 92388723 MEDLINE

L85 ANSWER 85 OF 115 MEDLINE
TI GMP-140 binds to a glycoprotein receptor on human neutrophils: evidence
for a lectin-like interaction.

SO JOURNAL OF CELL BIOLOGY, (1991 Feb) 112 (3) 491-9.
Journal code: 0375356. ISSN: 0021-9525.
AU Moore K L; Varki A; McEver R P
AN 91123302 MEDLINE

L85 ANSWER 86 OF 115 HCAPLUS COPYRIGHT 2003 ACS
TI Comparative enzymic composition of Brazillian coral snake (Micrurus)
venoms
SO Comparative Biochemistry and Physiology, Part B: Biochemistry & Molecular
Biology (1991), 99B(2), 287-94
CODEN: CBPBB8; ISSN: 0305-0491
AU Aird, Steven D.; Jorge da Silva, Nelson, Jr.
AN 1991:673026 HCAPLUS
DN 115:273026

L85 ANSWER 87 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI PURIFICATION AND CHARACTERIZATION OF TWO C3-CLEAVING **PROTEASES**
FROM **COBRA VENOM**.
SO XIVTH INTERNATIONAL COMPLEMENT WORKSHOP, CAMBRIDGE, ENGLAND, UK, SEPTEMBER
15-20, 1991. COMPLEMENT INFLAMMATION. (1991) 8 (3-4), 210.
CODEN: CMPIE7. ISSN: 1012-8204.
AU PETRELLA E C; O'KEEFE M C; BREDEHORST R; VOGEL C-W
AN 1991:518784 BIOSIS

L85 ANSWER 88 OF 115 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.DUPLICATE 34
TI Effect of king **cobra venom** on .alpha.2-macroglobulin
and **proteases** in human blood plasma.
SO Journal of Biosciences, (1990) 15/2 (59-66).
ISSN: 0250-5991 CODEN: JOBSDN
AU Roche M.; Pattabiraman T.N.
AN 91026181 EMBASE

L85 ANSWER 89 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI
TI EFFECT OF KING **COBRA VENOM** ON ALPHA-2-MACROGLOBULIN
AND **PROTEASES** IN HUMAN BLOOD-PLASMA
SO JOURNAL OF BIOSCIENCES, (1990) Vol. 15, No. 2, pp. 59-66.
AU ROCHE M (Reprint); PATTABIRAMAN T N
AN 90:444107 SCISEARCH

L85 ANSWER 90 OF 115 MEDLINE
TI Structural and biosynthetic studies of the granule membrane protein,
GMP-140, from human platelets and endothelial cells.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1989 Jan 25) 264 (3) 1816-23.
Journal code: 2985121R. ISSN: 0021-9258.
AU Johnston G I; Kurosky A; McEver R P
AN 89109204 MEDLINE

L85 ANSWER 91 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI A C3-CLEAVING **PROTEASE** FROM **COBRA VENOM**
INDUCES COMPLEMENT-DEPENDENT HEMOLYSIS.
SO XIIIITH INTERNATIONAL COMPLEMENT WORKSHOP, SAN DIEGO, CALIFORNIA, USA,
SEPTEMBER 10-15, 1989. COMPLEMENT INFLAMMATION. (1989) 6 (5), 381.
CODEN: CMPIE7.
AU O'KEEFE M C; HAMMER C H; VOGEL C-W
AN 1990:64587 BIOSIS

L85 ANSWER 92 OF 115 MEDLINE
TI Effects of **venom proteases** on peptide chromogenic
substrates and bovine prothrombin.
SO TOXICON, (1989) 27 (2) 161-7.
Journal code: 1307333. ISSN: 0041-0101.
AU Teng C M; Wang J P; Huang T F; Liao M Y
AN 89242686 MEDLINE

L85 ANSWER 93 OF 115 MEDLINE DUPLICATE 35
 TI A novel cleavage product of human complement component C3 with structural and functional properties of **cobra** venom factor.
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1988 Sep 5) 263 (25) 12690-7.
 Journal code: 2985121R. ISSN: 0021-9258.
 AU O'Keefe M C; Caporale L H; Vogel C W
 AN 88315071 MEDLINE

L85 ANSWER 94 OF 115 MEDLINE DUPLICATE 36
 TI A **protease** in the **venom** of king **cobra** (Ophiophagus hannah): purification, characterization and substrate specificity on oxidized insulin B-chain.
 SO TOXICON, (1988) 26 (12) 1145-55.
 Journal code: 1307333. ISSN: 0041-0101.
 AU Yamakawa Y; Omori-Sato T
 AN 89187830 MEDLINE

L85 ANSWER 95 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 TI STRUCTURAL STUDIES OF FIBRINOGEN AFTER MODIFICATION WITH A SNAKE **VENOM PROTEASES**.
 SO JOINT MEETING OF THE AMERICAN SOCIETY FOR CELL BIOLOGY AND THE AMERICAN SOCIETY FOR BIOCHEMISTRY AND MOLECULAR BIOLOGY, SAN FRANCISCO, CALIFORNIA, USA, JANUARY 29-FEBRUARY 2, 1989. J CELL BIOL. (1988) 107 (6 PART 3), 826A.
 CODEN: JCLBA3. ISSN: 0021-9525.
 AU ELLIOTT B W JR; ORIEL B; EVANS H J; COHEN C
 AN 1989:193692 BIOSIS

L85 ANSWER 96 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 TI EFFECT OF ENVENOMATION ON DIFFERENT LIPID PROFILES OF LIVER MICROSOMAL FRACTIONS OF ALBINO RATS.
 SO Indian J. Exp. Biol., (1988) 26 (3), 241-242.
 CODEN: IJEBA6. ISSN: 0019-5189.
 AU BHATTACHARYYA A; MAITY C R; MAJUMDAR G
 AN 1988:231663 BIOSIS

L85 ANSWER 97 OF 115 MEDLINE DUPLICATE 37
 TI Effect of **cobra** and viper venoms on alpha 2-macroglobulin activity in human, bovine, and goat sera.
 SO BIOCHEMICAL MEDICINE AND METABOLIC BIOLOGY, (1988 Apr) 39 (2) 217-25.
 Journal code: 8605718. ISSN: 0885-4505.
 AU Sujatha S; Jacob R T; Pattabiraman T N
 AN 88240785 MEDLINE

L85 ANSWER 98 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 TI EFFECT OF ENVENOMATION ON HUMAN SERUM ALPHA-2 MACROGLOBULIN AND TOTAL ANTITRYPTIC ACTIVITY.
 SO INDIAN J MED RES, (1985 (RECD 1986)) 82 (DEC), 551-553.
 CODEN: IJMRAQ. ISSN: 0019-5340.
 AU RAO N R; PATTABIRAMAN T N
 AN 1986:285631 BIOSIS

L85 ANSWER 99 OF 115 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.
 TI Characterization of a **protease** from **cobra** **venom** that cleaves the human complement component C3.
 SO Federation Proceedings, (1984) 43/7 (no. 3132).
 CODEN: FEPRA7
 AU O'Keefe M.C.; Vogel C.-W.; Caporale L.H.
 AN 84217816 EMBASE

L85 ANSWER 100 OF 115 HCAPLUS COPYRIGHT 2003 ACS
 TI Enzymic inactivation of human .alpha.1-antichymotrypsin by metalloproteinases in snake venoms of the family Elapidae
 SO Comparative Biochemistry and Physiology, Part B: Biochemistry & Molecular

Biology (1984), 77B(3), 431-6

CODEN: CBPBB8; ISSN: 0305-0491

AU Kress, Lawrence F.; Hufnagel, Mary E.

AN 1984:186990 HCAPLUS

DN 100:186990

L85 ANSWER 101 OF 115 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.

TI C3o, a new cleavage product of human C3 generated by a **protease** from **cobra venom**.

SO Federation Proceedings, (1984) 43/6 (no. 184).

CODEN: FEPRA7

AU Caporale L.H.; O'Keefe M.C.; Vogel C.-W.

AN 84197472 EMBASE

L85 ANSWER 102 OF 115 HCAPLUS COPYRIGHT 2003 ACS

TI Protease inhibitor homologs from mamba venoms: facilitation of acetylcholine release and interactions with prejunctional blocking toxins

SO British Journal of Pharmacology (1982), 77(1), 153-61

CODEN: BJPCBM; ISSN: 0007-1188

AU Harvey, A. L.; Karlsson, E.

AN 1983:48319 HCAPLUS

DN 98:48319

L85 ANSWER 103 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI SEPARATION OF PROTEIN AND ENZYME COMPONENTS OF VENOM OF THE INDIAN **COBRA NAJA-NAJA** UNDER DIS AGGREGATING CONDITIONS.

SO PROC INDIAN NATL SCI ACAD PART B BIOL SCI, (1980 (RECD 1981)) 46 (5), 603-614.

CODEN: PIBSBB. ISSN: 0073-6600.

AU ACHYUTHAN K E; RAMACHANDRAN L K

AN 1981:292609 BIOSIS

L85 ANSWER 104 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI IMMUNE COMPLEX VASCULITIS IN BEIGE MICE.

SO Fed. Proc., (1979) 38 (3 PART 1), 1003.

CODEN: FEPRA7. ISSN: 0014-9446.

AU JOHNSON K J; VARANI J

AN 1979:64114 BIOSIS

L85 ANSWER 105 OF 115 HCAPLUS COPYRIGHT 2003 ACS

TI Snake venom proteinase inhibitors. III. Isolation of five polypeptide inhibitors from the venoms of Hemachatus haemachatus (Ringhal's **cobra**) and **Naja nivea** (Cape **cobra**) and the complete amino acid sequences of two of them

SO Journal of Biochemistry (Tokyo, Japan) (1976), 79(3), 559-78

CODEN: JOBIAO; ISSN: 0021-924X

AU Hokama, Yasuji; Iwanaga, Sadaaki; Tatsuki, Tsuru; Suzuki, Tomoji

AN 1976:161072 HCAPLUS

DN 84:161072

L85 ANSWER 106 OF 115 HCAPLUS COPYRIGHT 2003 ACS

TI Relation between enzymic activities and pathohistological changes caused by fractionated Habu venom

SO Taiwan Yixuehui Zazhi (1972), 71(6), 408-12

CODEN: TIHHAH; ISSN: 0371-7682

AU Sato, Hachiro; Takaki, Shigeo

AN 1973:12451 HCAPLUS

DN 78:12451

L85 ANSWER 107 OF 115 HCAPLUS COPYRIGHT 2003 ACS

TI Puff adder (Bitis arietans) **venom**. II. Specificity of **protease A**

SO Toxicon (1972), 10(4), 341-9

CODEN: TOXIA6; ISSN: 0041-0101
AU Van der Walt, S. J.; Joubert, F. J.
AN 1972:471872 HCAPLUS
DN 77:71872

L85 ANSWER 108 OF 115 HCAPLUS COPYRIGHT 2003 ACS
TI Protease activity as a possible mechanism of migration inhibitory factor
SO European Journal of Immunology (1972), 2(1), 97-9
CODEN: EJIMAF; ISSN: 0014-2980
AU Havemann, Klaus; Horvat, M.; Sodomann, C. P.; Havemann, Karin; Buerger, Sigrid
AN 1972:432446 HCAPLUS
DN 77:32446

L85 ANSWER 109 OF 115 HCAPLUS COPYRIGHT 2003 ACS
TI Phospholipase A and protease activities in Bothrops and Crotalus venoms. Effect on the mitochondrial respiratory chain
SO Revista de la Sociedad Argentina de Biologia (1971), 47(5-8), 173-86
CODEN: RSABAC; ISSN: 0037-8380
AU Badano, Blanca N.; Stoppani, A. O. M.
AN 1973:513365 HCAPLUS
DN 79:113365

L85 ANSWER 110 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI TYROSINASE IN MEMBRANE SYSTEM OF MOUSE MELANOMA.
SO J. Invest. Dermatol., (1970) 54 (1), 97.
CODEN: JIDEAE. ISSN: 0022-202X.
AU SEIJI M; ITAKURA H; MIYAZAKI K; IRMAJIRI T
AN 1970:81979 BIOSIS

L85 ANSWER 111 OF 115 HCAPLUS COPYRIGHT 2003 ACS
TI Biochemical investigations on Heloderma venom
SO Memorias do Instituto Butantan (1966), 33(3), 907-11
CODEN: MIBUAH; ISSN: 0073-9901
AU Mebs, Dietrich; Raudonat, Heinz W.
AN 1969:66397 HCAPLUS
DN 70:66397

L85 ANSWER 112 OF 115 MEDLINE DUPLICATE 38
TI PROPERTIES OF AXON MEMBRANE AS AFFECTED BY **COBRA VENOM**, DIGITONIN, AND **PROTEASES**.
SO AMERICAN JOURNAL OF PHYSIOLOGY, (1964 DEC) 207 1441-6.
ISSN: 0002-9513.
AU NARAHASHI T; TOBIAS J M
AN 65056455 MEDLINE

L85 ANSWER 113 OF 115 HCAPLUS COPYRIGHT 2003 ACS
TI Paper chromatography of snake poisons
SO Naunyn-Schmiedebergs Archiv fuer Pharmakologie und Experimentelle Pathologie (1956), 228, 219
CODEN: APEPA2; ISSN: 0365-5423
AU Raudonat, H. W.
AN 1956:45048 HCAPLUS
DN 50:45048
OREF 50:8764b-c

L85 ANSWER 114 OF 115 HCAPLUS COPYRIGHT 2003 ACS
TI **Proteases of cobra (Naja naja) venom**
SO Publ. Am. Assoc. Advance. Sci. (1956), No. 44, 179-80
AU Rao, Shanta S.; Rao, Savur S.
AN 1957:43723 HCAPLUS
DN 51:43723
OREF 51:8183c-d

L85 ANSWER 115 OF 115 HCAPLUS COPYRIGHT 2003 ACS
TI Studies on the **protease** of **cobra venom**
SO Indian J. Med. Research (1938), 26, 487-92
AU Iyengar, N. K.; Sehra, K. B.; Mukerji, B.
AN 1939:48160 HCAPLUS
DN 33:48160
OREF 33:6888c

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L85 ANSWER 10 OF 115 HCAPLUS COPYRIGHT 2003 ACS
AB The variation in the compn. of **Naja naja** venoms from three neighboring districts of West Bengal, eastern India and the corresponding differences in the severity of pathogenesis due to venom compn. variation are reported. These venom samples differ with respect to chromatog. elution profile and enzyme activity assocd. with each fraction. Presence of higher quantities of basic phospholipase and plasma protein hydrolase in the venom samples of Burdwan and Purulia make them more toxic than Midnapur venom sample. A polyvalent antivenom manufd. in western India was hardly effective in neutralizing the pathobiol. manifestation of the venom samples from eastern India.

L85 ANSWER 20 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI

L85 ANSWER 32 OF 115 MEDLINE DUPLICATE 8
AB Platelet adhesion to the subendothelium is the initiating event in hemostasis and thrombosis and involves the binding of von Willebrand factor (vWF) by the platelet membrane glycoprotein (GP) Ib-IX complex. The alpha-chain of GP Ib contains binding sites for both vWF and alpha-thrombin within a 45-kDa N-terminal tryptic fragment. In the present study, we have further delineated these sites using smaller proteolytic fragments and functional antibodies. **Mocarhagin**, a **cobra** venom metalloproteinase, generates the fragment His-1-Glu-282, while cathepsin G, a neutrophil granule serine protease, generates a slightly smaller fragment, His-1-Leu-275. His-1-Glu-282 was as effective as intact soluble GP Ibalpha (glycocalicin) in inhibiting botrocetin-dependent binding of vWF to washed platelets (IC50 approximately 0.3 microM) whereas His-1-Leu-275 was an order of magnitude less effective (IC50 approximately 3 microM). Residues Tyr-276-Glu-282 (YDYYPEE) are part of an anionic region homologous to thrombin-binding molecules such as hirudin. In ligand blot analysis, thrombin blotted the His-1-Glu-282 fragment, but not His-1-Leu-275. The three tyrosine residues within Tyr-276-Glu-282 meet the consensus criteria for O-sulfation. A method was developed to distinguish O-sulfated from nonsulfated tyrosine residues based on differences in the UV absorbance spectra. Residues Tyr-276-Glu-282 were isolated from glycocalicin by proteolysis with **mocarhagin** and cathepsin G. Ion spray mass spectrometry confirmed that Tyr-278 and Tyr-279 was only approximately 50% O-sulfated. Four anti-GP Ibalpha monoclonal antibodies (SZ2, ES85, C34 and VM16d) were found to be modulator-specific, strongly inhibiting botrocetin-dependent binding of vWF, but having less or no effect on ristocetin-dependent vWF binding. These antibodies also inhibited the binding of thrombin to fixed platelets. Immunoprecipitation with GP ibalalpha fragments defined the epitopes for these antibodies as SZ2 (Tyr-276-Glu-282), ES85 (Asp-283-Arg-293), C34 (His-1-Glu-282), and VM16d (His-1-Leu-275). An antibody which inhibited ristocetin-dependent, as well as botrocetin-dependent, vWF binding but had no effect on thrombin binding (Ak2) had an epitope within His-1-Leu-275. These findings indicate that the sulfated tyrosine/anionic GP Ibalpha residues

Tyr-276-Glu-282 are important for the binding of thrombin and botrocetin-dependent binding of thrombin and the botrocetin-dependent binding of vWF, but that vWF also interacts with residues within His-1-Leu-275.

L85 ANSWER 35 OF 115 MEDLINE DUPLICATE 10

AB **Mocarhagin, a cobra venom metalloproteinase** from *Naja mocambique mocambique*, has previously been shown to cleave selectively two mucin-like substrates on platelets and neutrophils within anionic amino acid sequences containing sulfated tyrosines. We now show that purified **mocarhagin** has haemagglutinin activity, and a similar profile for inhibition of **mocarhagin**-dependent haemagglutination and proteolysis suggests that the lectin-like domain may account for its substrate specificity. In addition, immunologically and functionally related proteins were detected in other Elapidae venoms.

L85 ANSWER 43 OF 115 MEDLINE DUPLICATE 14

AB Initial rolling of circulating neutrophils on a blood vessel wall prior to adhesion and transmigration to damaged tissue is dependent upon **P-selectin** expressed on endothelial cells and its specific neutrophil receptor, the **P-selectin** glycoprotein ligand-1 (PSGL-1). Pretreatment of neutrophils, HL60 cells, or a recombinant fucosylated soluble form of PSGL-1 (sPSGL-1.T7) with the **cobra venom metalloproteinase, mocarhagin**, completely abolished binding to purified **P-selectin** in a time-dependent and EDTA- and diisopropyl fluorophosphate-inhibitable manner consistent with **mocarhagin** selectively cleaving PSGL-1. A polyclonal antibody against the N-terminal peptide Gln-1-Glu-15 of mature PSGL-1 immunoprecipitated sPSGL-1.T7 but not sPSGL-1.T7 treated with **mocarhagin**, indicating that the **mocarhagin** cleavage site was near the N terminus. A single **mocarhagin** cleavage site between Tyr-10 and Asp-11 of mature PSGL-1 was determined by N-terminal sequencing of **mocarhagin** fragments of sPSGL-1.T7 and is within a highly negatively charged amino acid sequence 1-QATEYEYLDY decreases DFLPETEPPE, containing three tyrosine residues that are consensus sulfation sites. Consistent with a functional role of this region of PSGL-1 in binding **P-selectin**, an affinity-purified polyclonal antibody against residues Gln-1-Glu-15 of PSGL-1 strongly inhibited **P-selectin** binding to neutrophils, whereas an antibody against residues Asp-9-Arg-23 was noninhibitory. These combined data strongly suggest that the N-terminal anionic/sulfated tyrosine motif of PSGL-1 as well as downstream sialylated carbohydrate is essential for binding of **P-selectin** by neutrophils.

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L85 ANSWER 63 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISIDUPLICATE 25

L85 ANSWER 70 OF 115 HCAPLUS COPYRIGHT 2003 ACS

AB A hemorrhagic protein (60 kDa), HR1B, present in the venom of *Trimeresurus flavoviridis* is a mosaic protein consisting of an N-terminal metalloproteinase-domain, a disintegrin (platelet aggregation inhibitor)-like domain, and a unique C-terminal Cys-rich domain. Since the gross structures of HR1B and protein precursors of disintegrins, trigramin, and rhodostomin, all of which contain the metalloproteinase domain, are similar, many disintegrins so far detected in snake venoms are assumed to be autoproteolytic fragments released from precursors. In ongoing related expts., the newly purified hemorrhagic

metalloproteinases, HR1A from *T. flavoviridis* **venom** and HT-1 from *Crotalus ruber ruber* venom, in addn. to HR1B, were autoproteolyzed, in the absence of Ca^{2+} , at 37.degree. for 3-12 h. Under these conditions, HR1A, HR1B, and HT-1 each released a single major fragment of 32, 34, and 31 kDa, resp. The entire amino acid sequences of the isolated fragments indicated the presence of disintegrin-like and Cys-rich domains in the C-terminal regions of HR1A, HR1B, and HT-1, resp. It seems likely that so-called disintegrins probably originate from various **metalloproteinases** present in **venom**. On the bases of peptide sequences close to the autoproteolytic cleavage sites of these metalloproteinases and the sites of fibrinogen cleaved by these enzymes, new intramolecularly quenched fluorogenic peptide substrates were synthesized. Among the 10 peptides tested, 2-aminobenzoyl (Abz)-Ser-Pro-Met-Leu-2,4-dinitroanilinoethylamide (Dna) proved to be the best substrate for **venom metalloproteinase**, as deduced from kinetic analyses.

L85 ANSWER 78 OF 115 HCAPLUS COPYRIGHT 2003 ACS

AB Examn. of the edema-inducing activity of king **cobra** (*O. hannah*) venom fractions obtained by Sephadex G-50 gel filtration indicated that the high-mol.-wt. protein fraction (mol. wt. > 50,000) was the major edema-inducing fraction. Further fractionations by DEAE-Sephacel chromatog. showed that the major edema-inducing components were five protease fractions. The most potent edema-inducing protease fraction was further purified and the purified material corresponded to hannahtoxin, the major king **cobra venom** hemorrhagic **protease**. Treatment of the purified edema-inducing protease with EDTA abolished both the edema inducing and protease activities.

L85 ANSWER 79 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

L85 ANSWER 82 OF 115 SCISEARCH COPYRIGHT 2003 THOMSON ISI

AB A comparison of the structures of a precursor of trigramin (a disintegrin), metalloproteinases, disintegrins and related proteins, suggests the existence of common precursors for metalloproteinases and disintegrins. The proposed common precursor and related proteins have four distinct domains (A-D). Domain B contains the metal binding site and the catalytic Glu residue, which comprise the active site of metalloproteinases. Domain C contains the Arg-Gly-Asp sequence and hence the ability to inhibit the activity of integrins. Domains A and D are unique and their biochemical or biological activity is unknown. The proposed precursor can be proteolytically cleaved at several interdomain sites, releasing the disintegrins and metalloproteinases. A survey of more than 100 **venom metalloproteinases** and disintegrins strongly supports the existence of precursor proteins and their structural domains. This is also upheld by the co-occurrence of metalloproteinases and disintegrins in the venoms of several genera of crotalid and viperid snakes. The likelihood of intradomain disulfide bridges, and accessibility of all interdomain cleavage sites also supports our contention. The susceptibility of the cleavage sites appears to be determined by nearby disulfide bridges and glycosylation. Recognition of the proposed structural domains of venom proteinases should help clarify the structure-function relationships of several related proteins, and influence the synthesis of recombinant disintegrins, metalloproteinases and related polypeptides.

L85 ANSWER 86 OF 115 HCAPLUS COPYRIGHT 2003 ACS

AB Venoms of 11 coral snake taxa, including *M. albicinctus*, *M. corallinus*, *M. frontalis altirostris*, *M. frontalis brasiliensis*, *M. frontalis frontalis*, *M. fulvus fulvus*, *M. ibiboboca*, *M. lemniscatus*, *M. rondonianus*, *M. spixii spixii*, and *M. surinamensis surinamensis*, were examd. for 13 enzymic activities. These were compared with venoms of three outgroup taxa: *Naja naja kaouthia*, *Bungarus multicinctus*, and *Bothrops moojeni*. Enzyme activity levels in *Micrurus* venoms were highly

variable from species to species. All venoms possessed phospholipase activity. Protease activity against synthetic or dyed natural substrates was generally negligible in all elapid venoms examd. By contrast, most Micrurus venoms displayed ample L-leucine aminopeptidase activity. Venom of M. surinamensis surinamensis was significantly different from those of its congeners in most assays.

L85 ANSWER 94 OF 115 MEDLINE DUPLICATE 36

AB A **protease** in the **venom** of Ophiophagus hannah (king **cobra**) has been purified to a homogeneous state by successive chromatographies on Sephadex G-100 superfine, DEAE-cellulose, hydroxyapatite and CM-polyvinylalcohol copolymer columns. The mol.wt as determined by SDS-PAGE and gel filtration was approximately 70,000. The purified enzyme possessed a specific activity approximately 1/25 that of crystalline trypsin, whereas it had no hemorrhagic activity. The substrate specificity was determined using oxidized insulin B-chain as a substrate; the enzyme cleaved the Asn3-Gln4, Gln4-His5, His10-Leu11, Ala14-Leu15 and Tyr16-Leu17 positions. The sites cleaved by the protease were compared to proteases from other snake venoms.

L85 ANSWER 103 OF 115 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AB Strong protein-protein interactions were detected among components of venom of the Indian **cobra** (N. **naja**). Interactions led to apparent heterogeneity observed upon column chromatography and disc electrophoresis. Toxic proteins apparently tended to form aggregates (homoaggregates), with the aggregates possessing different lethal potencies. Even the enzymes formed aggregates (heteroaggregates). Triton X-100 abolished most aggregation and yielded nearly electrophoretically homogenous proteins, without impairing the lethal potency of the neurotoxin. Nearly 12 enzyme activities were screened in crude **venom** and fractions. Significant **protease** activity was associated with **cobra venom** and some of its fractions. Fractions that apparently corresponded to cardiotoxins/cobramines, not known to be enzymatically active, displayed pyrophosphatase activity.

L85 ANSWER 107 OF 115 HCAPLUS COPYRIGHT 2003 ACS

AB **Protease** A from B. arietans **venom** has a broad specificity, mainly attacking the amino end of hydrophobic amino acid residues. This specificity is enhanced if the hydrophobic amino acid is preceded by 1 or 2 hydrophilic residues. The specificity of protease A was studied by digesting 3 protein substrates with the enzyme and isolating a no. of the resulting peptides.

L85 ANSWER 114 OF 115 HCAPLUS COPYRIGHT 2003 ACS

AB **Cobra** venom has been reported to contain only one protease, of a tryptic type. However, expts. on horse hemoglobin in a universal buffer in the range pH 1.0-10.5, gave peaks (of optical density) at pH 1.0, 3.0, 5.1, 6.5, and 9.2 indicating the presence of more than one **protease** in the **venom**. Exptl. details are given.

L85 ANSWER 115 OF 115 HCAPLUS COPYRIGHT 2003 ACS

AB The optimum pH for digestion of casein is approx. 8.0. The proteolytic activity of the venom is low, and digestion is soon stopped by a trypsin inhibitor which appears to be present. HCN and KCN also cause inactivation.

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3157 PROTEASE#
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199 NAJA
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FILE 'WPIDS'

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264 VENOM
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6 VENOM(5A) L12

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 TI Antibody compositions and methods for producing vascular occlusion
 SO PCT Int. Appl., 38 pp.
 CODEN: PIXXD2
 IN Stewart, Michael William; Person, Roland Henryk; Noujaim, Antoine
 AN 2000:351397 HCAPLUS
 DN 132:352773

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
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WO 2000029029	A1	20000525	WO 1999-IB1809	19991110	<--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
EP 1131106	A1	20010912	EP 1999-972110	19991110	<--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
JP 2002529521	T2	20020910	JP 2000-582075	19991110	<--
US 2002168366	A1	20021114	US 2002-101731	20020321	<--

L90 ANSWER 2 OF 3 WPIDS (C) 2003 THOMSON DERWENT

TI New angiogenesis inhibitors useful for treating solid tumors, leukemias, tumor metastasis, benign tumor, rheumatoid arthritis, psoriasis and ocular angiogenic diseases.

PI WO 2000010506 A2 20000302 (200021)* EN 72p A61K000-00 <--
 RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW
 W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
 AU 9955717 A 20000314 (200031) A61K000-00
 US 6365364 B1 20020402 (200226) C12Q001-56

IN JENNY, N S; MANN, K G

L90 ANSWER 3 OF 3 WPIDS (C) 2003 THOMSON DERWENT

TI New antisense oligonucleotides useful for treating e.g. pulmonary vasoconstriction, inflammation, allergies, asthma, hypertension,

bronchitis, emphysema, respiratory distress syndrome, ischemia or cancers.
 PI WO 2000009525 A2 20000224 (200018)* EN C07H000-00 <--
 RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
 W: AU CA CN MX RU US
 AU 9953374 A 20000306 (200030) C07H000-00
 EP 1102786 A2 20010530 (200131) EN C07H021-04
 R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
 CN 1317009 A 20011010 (200207) C07H021-04
 MX 2001000971 A1 20010701 (200236) C07H000-00
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
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FULL ESTIMATED COST	23.61	51.54
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-4.56

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